

ECE 425 – Mobile Robotics Lab 03 – Wall Following Winter 23-24

state	Red LED	Yellow LED	Green LED
Random wander			ON
Wall lost			
Too far	ON		
Too close		ON	
Right WF	ON	ON	
Left WF		ON	ON
Front wall	ON		ON
Follow center	ON	ON	ON

Team	Robot	Follow Wall Left/Right (2 pts)	Inner Corner Collide (1 pt)	Outer Corner Doorway (2 pt)	Follow Center Hallway (2 pts)	Random Wander State Machine (2 pts)	Go To Goal (2 pts)
	Aibo						
	Albus						
	Arbib						
	Arkin						
	Asimo						
	Asimov						
	Big Dog						
	Braitenberg						





Winter 23-24

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Front wall	ON		ON
Follow center	ON	ON	ON

Team	Robot	Follow Wall Left/Right (2 pts)	Inner Corner Collide (1 pt)	Outer Corner Doorway (2 pt)	Follow Center Hallway (2 pts)	Random Wander State Machine (2 pts)	Go To Goal (2 pts)
	Breazeal						
	Brooks						
	Capek						
	Cog						
	Elektro						
	Elmer						
	Elsie						
	Furby						

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	Goertz						
	Kamen						
	Kismet						
	Kitt						
	Kuri						
	Leonardo						
	Mataric						

Lab 03 - Demonstration

ECE 425 - Mobile Robotics



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	Minsky						
	Moravec						
	Murphy						
	Shakey						
	Unimate						
	Walter						
	Wiener						

Lab 03 - Demonstration